



RMC Monthly Report

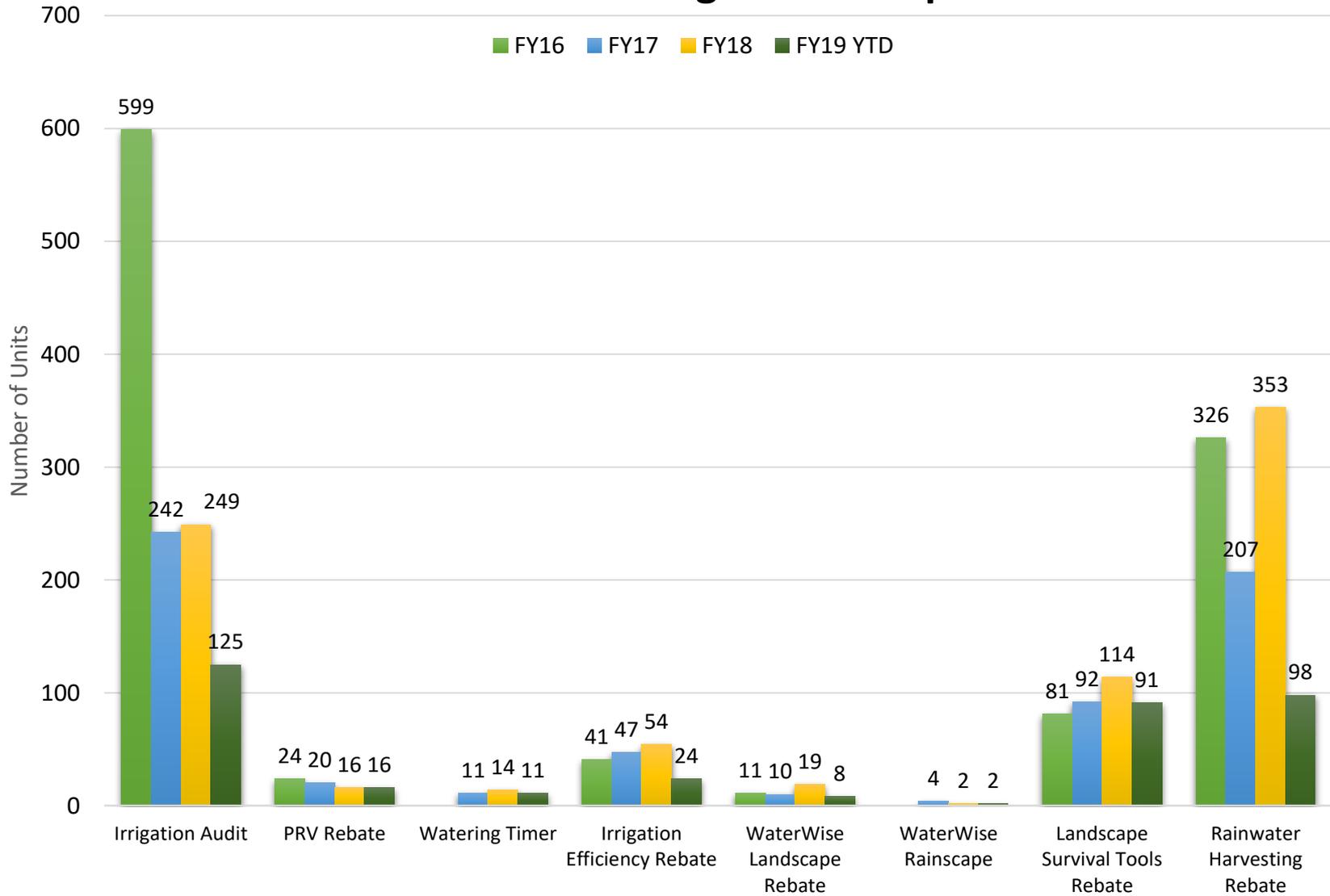
July 2019

FY 19

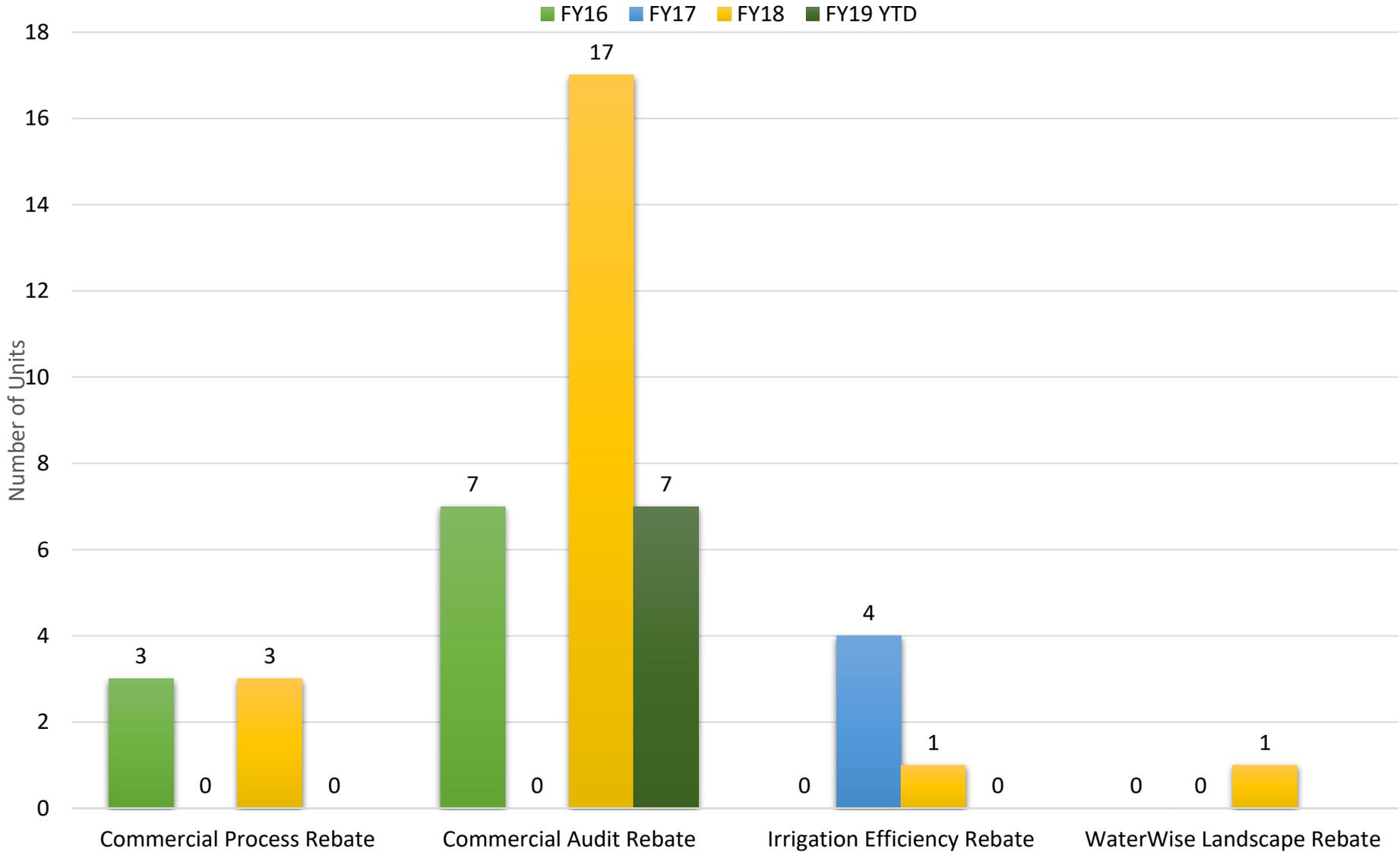
Mark Jordan
Water Conservation Division
City of Austin | Austin Water



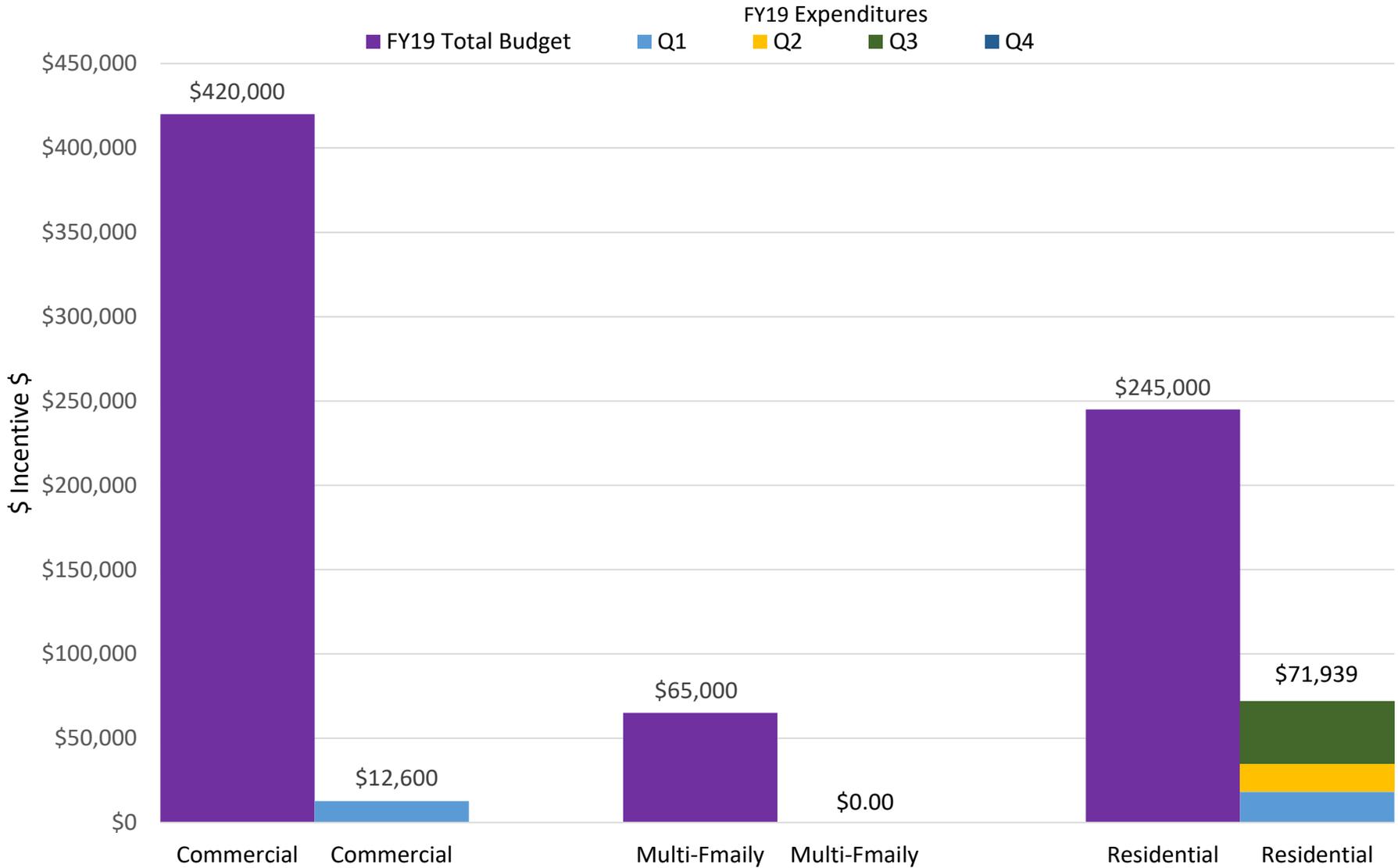
Residential Program Participation



Commercial & Multifamily Program Participation



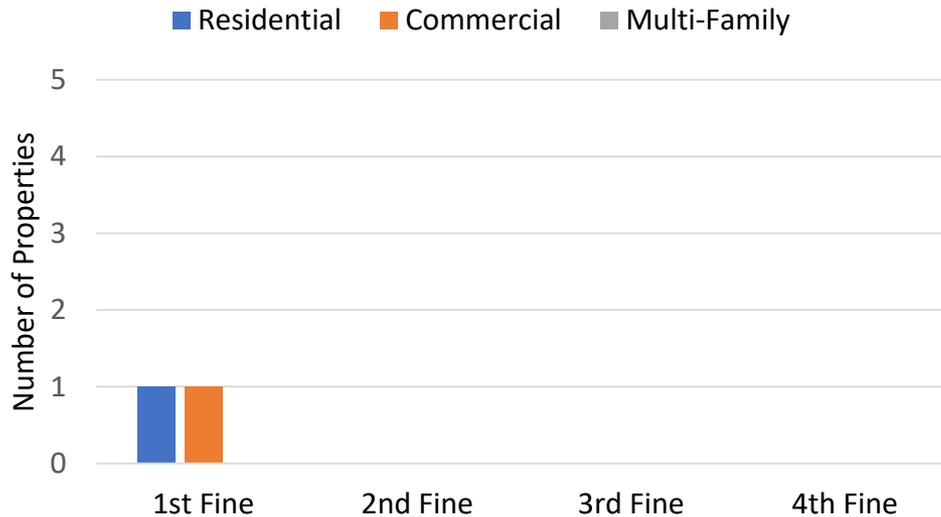
Rebates and Incentives Budget, FY19 YTD



Enforcement Activity

Water Waste

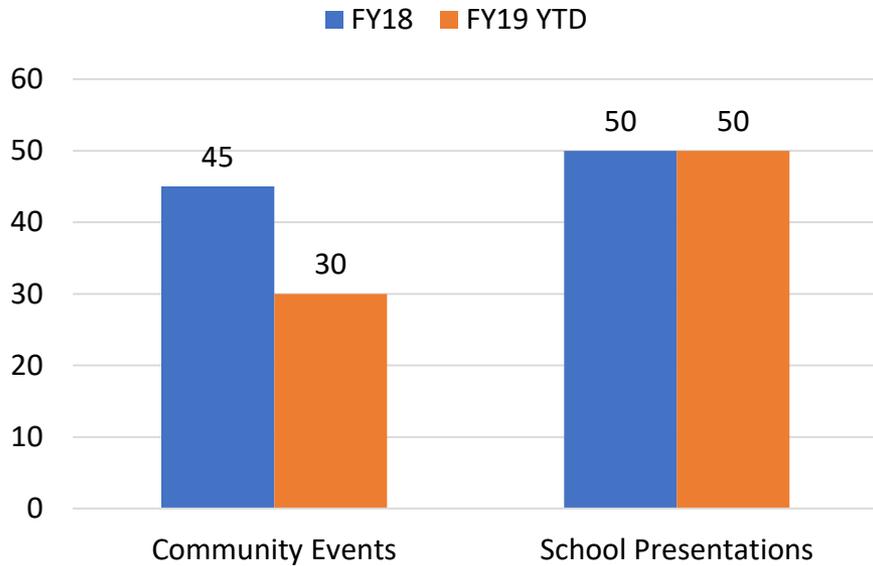
FY19 TD Assessed Violations



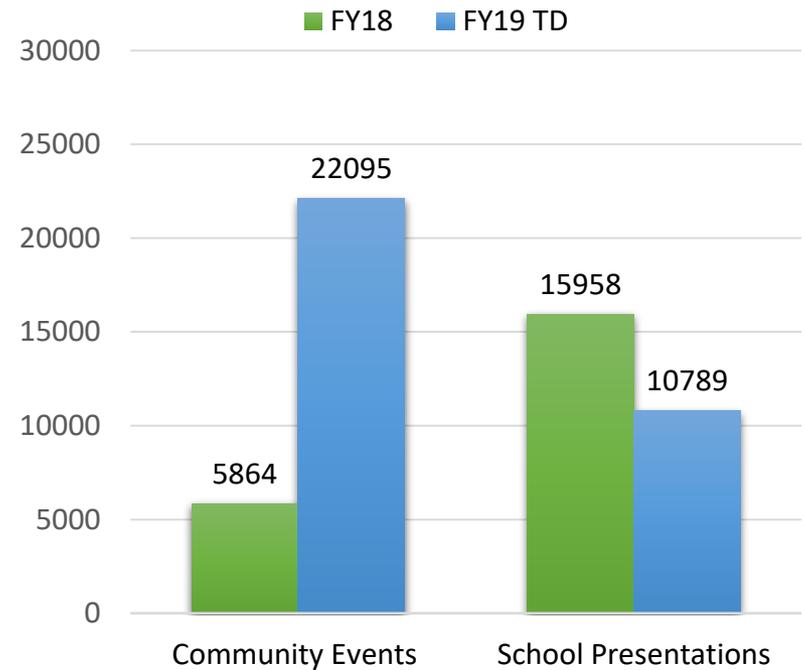
- 74 warnings
- 2 properties fined
- 2 appeals filed
- 0 appeals overturned

- Violations assessed only after a warning is issued
 - Citizen reports generate a postcard alert
 - Fines on water bills

Public Outreach Activity Number of Events

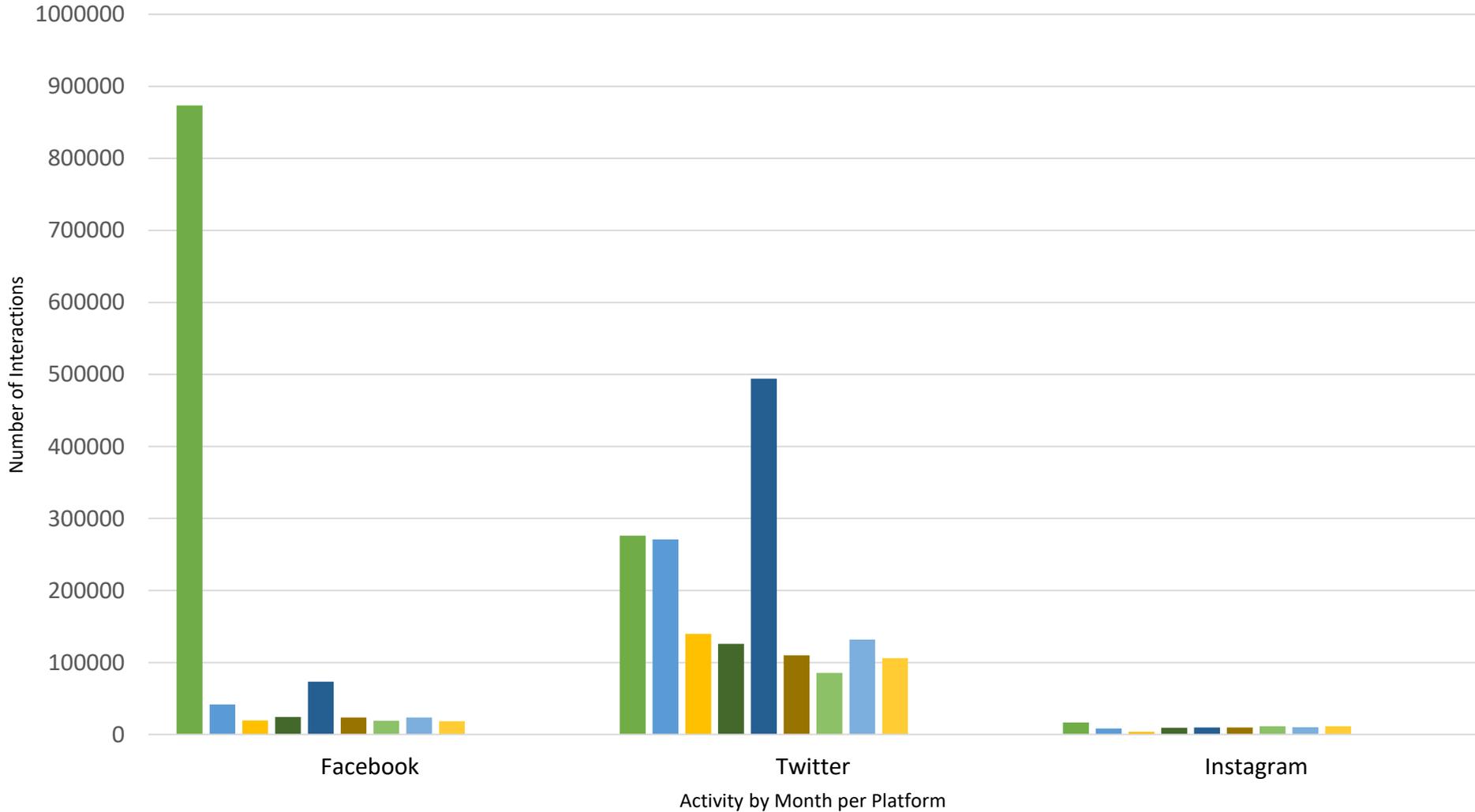


Public Outreach Activity Populations Reached

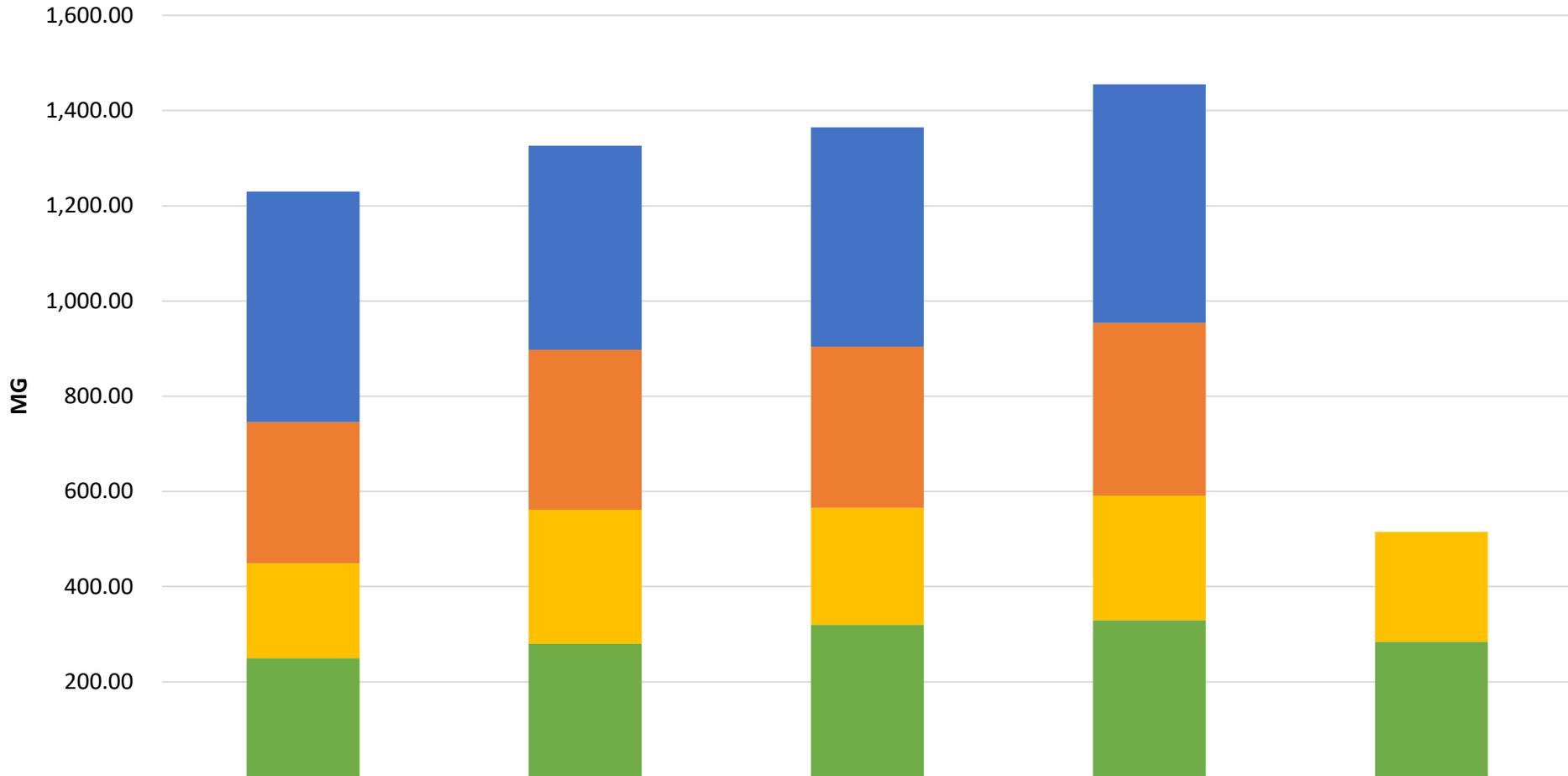


Social Media Activity, FY19 TD

■ Oct
 ■ Nov
 ■ Dec
 ■ Jan
 ■ Feb
 ■ Mar
 ■ Apr
 ■ May
 ■ June
 ■ July
 ■ August
 ■ September

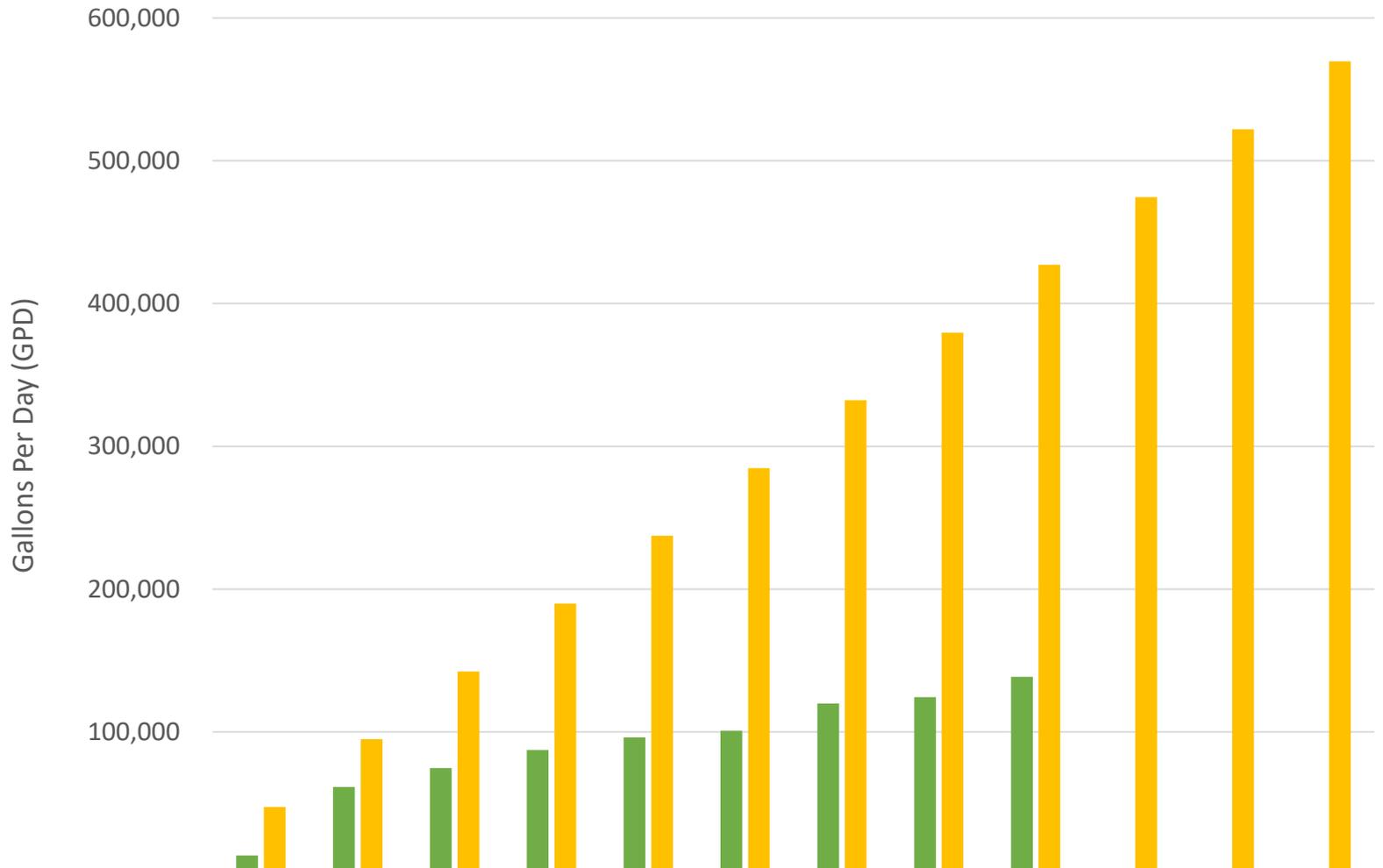


Reclaimed Water



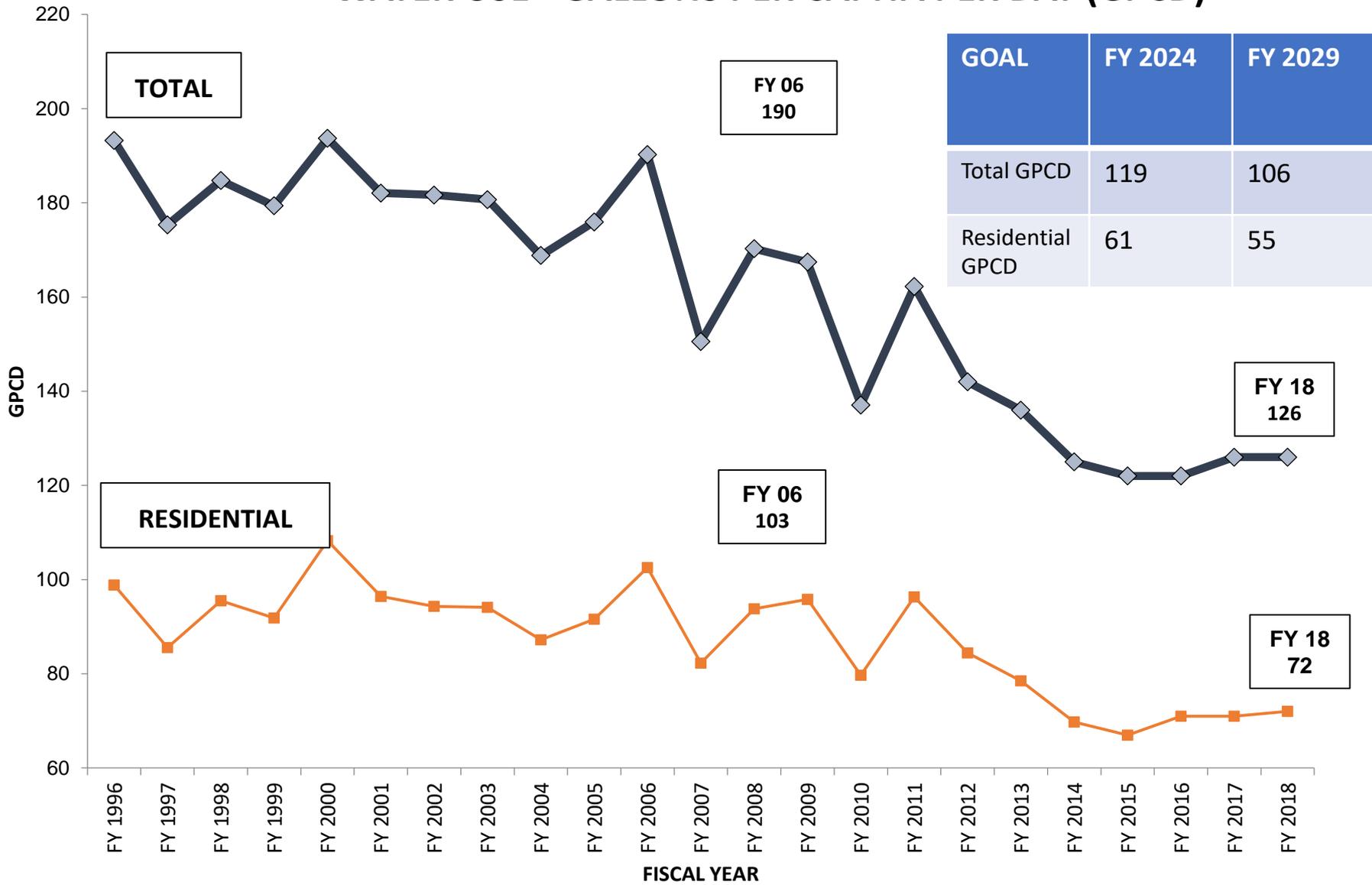
	FY2015	FY2016	FY2017	FY2018	FY2019
■ Quarter IV	484.63	429.05	460.68	501.02	
■ Quarter III	296.47	336.04	338.92	362.66	
■ Quarter II	199.69	281.32	245.93	261.55	230.84
■ Quarter I	249.39	280.08	319.44	329.80	284.14

Total Peak Water Savings, Gallons Per Day (GPD)

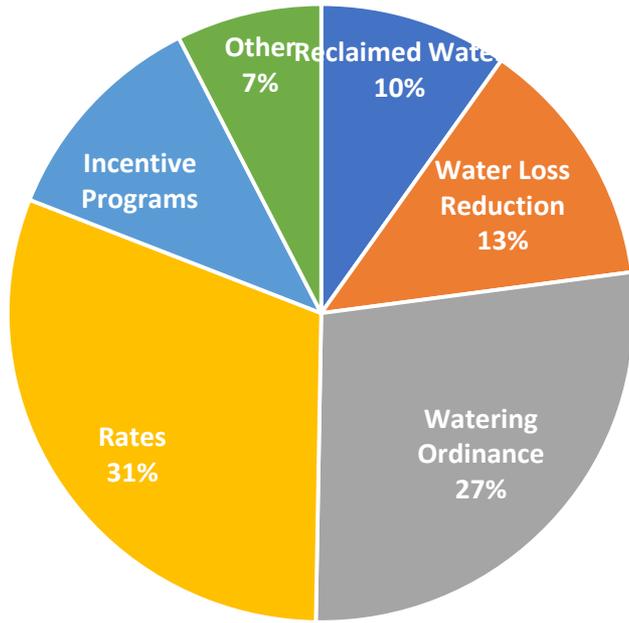


	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep
Total Peak Savings	13,552	61,491	74,762	87,300	96,186	100,80	119,80	124,38	138,62			
Peak Savings Goal	47,456	94,913	142,36	189,82	237,28	284,73	332,19	379,65	427,10	474,56	522,02	569,47

WATER USE - GALLONS PER CAPITA PER DAY (GPCD)



Total Cumulative Water Savings Projected for FY 2019

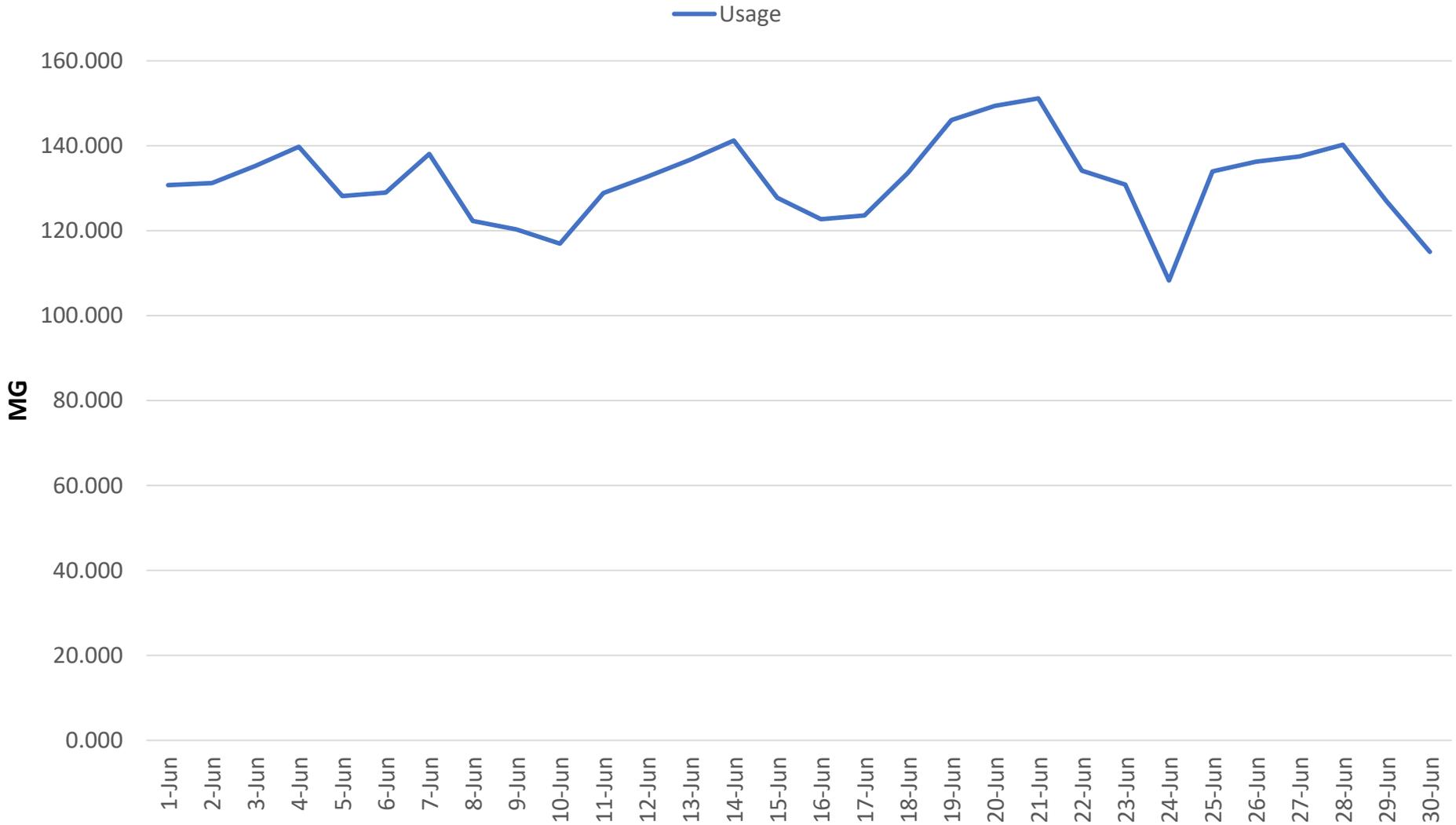


- Reclaimed Water
- Water Loss Reduction
- Watering Ordinance
- Rates
- Incentive Programs
- Other

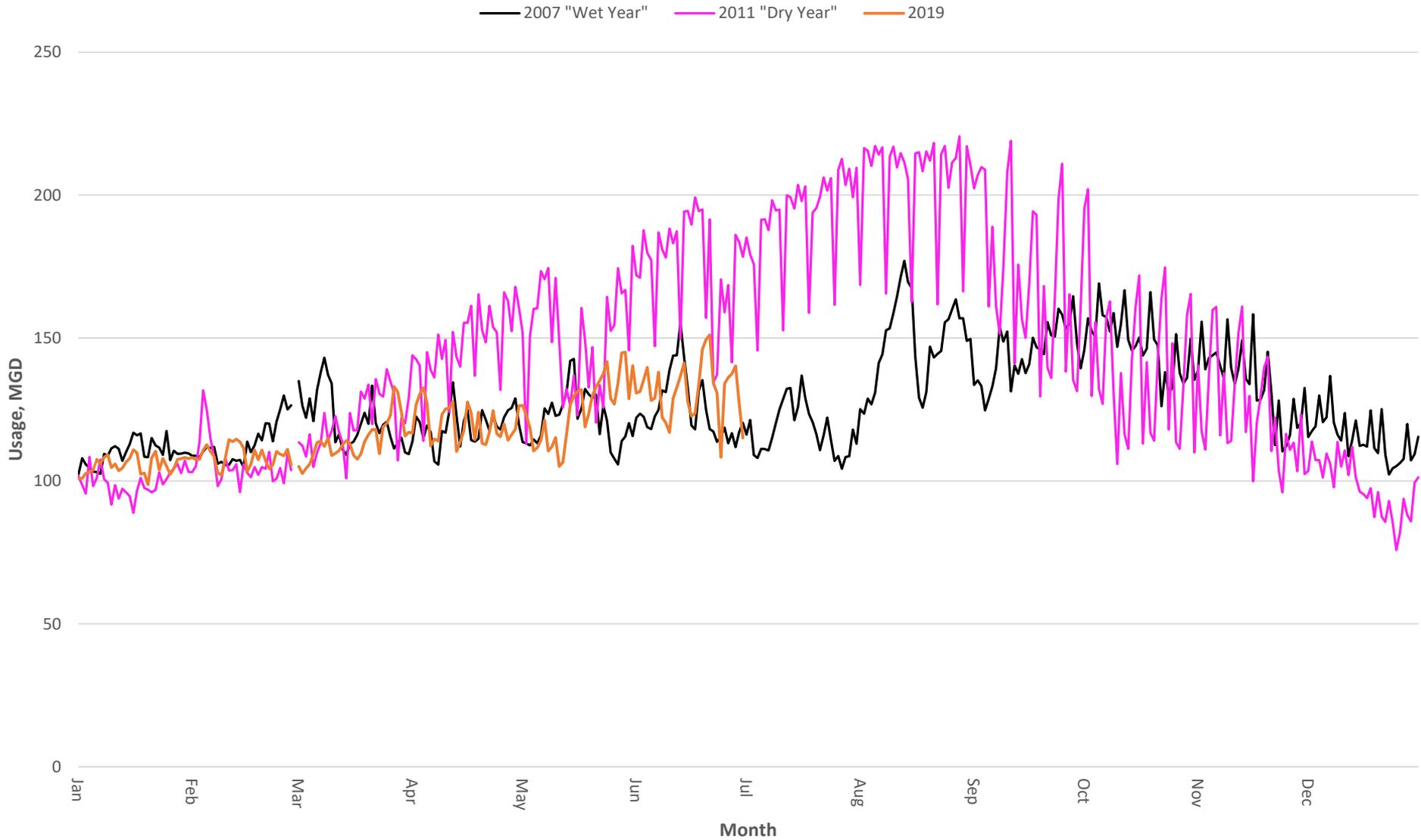
COST BENCHMARKS		
Benchmark	Peak \$/1,000 gallons	Average \$/1,000 gallons
Variable Water Treatment and Distribution Costs	\$0.46	\$0.46
Wastewater treatment costs	\$0.26	\$0.26
Treatment expansion	\$3.75	N/A
Avoided LCRA Payments	\$1.12	\$1.12

Activity	Unit	Projected Peak Unit Savings, GPD	Projected Average Unit Savings, GPD	Projected Lifetime of Savings, years	Cost per Unit, if applicable	Program Participation				Peak Reduction, gallons per day		Average Savings, GPCD		Lifetime Savings per Unit, thousand gallons	Cost of Savings		FY19 Rebate Amounts		
						FY19 Goal	FY19 To Date	Prior Year FY18	Prior Year FY18 To Date	Peak Savings Goal FY19	Peak Savings To Date FY19	GPCD FY19 Goal	GPCD To Date FY19		Lifetime, 1000 gallons	Peak, 1 gallon per day	FY19 Budget	FY19 Spent To Date	
Incentives - Indoor																			
Showerheads	1 unit	9.55	9.55	5	\$ 2.46	1,600	20	2,054	188	15,280	191	0.01	0.00	17.43	\$0.14	\$0.26	\$15,000	\$1,511	
Aerators	1 unit	2.31	2.31	5	\$ 0.34	4,800	1,283	11,172	5,681	11,074	2,960	0.01	0.00	4.21	\$0.08	\$0.15	\$11,000	\$3,390	
PRV rebates	1 valve	56.10	25.80	10	\$ 130.00	40	9	16	2	2,244	505	0.00	0.00	94.17	\$1.38	\$2.32	\$10,000	\$900	
Commercial Process Rebates	1 gallon	Variable	Variable	10	\$ 1.00	10	0	3	2	250,000	55,743	0.23	0.05	Variable	Variable	\$1	\$400,000	\$12,600	
Incentives - Outdoor																			
Irrigation audits, SF	1 audit	500.00	100.00	3	\$ 187.50	550	80	249	116	275,000	40,000	0.05	0.01	109.50	\$1.71	\$0.38	\$103,125	\$15,000	
Irrigation rebates, SF	1 rebate	TBD	TBD	variable	\$ 130.00	40	6	54	20	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$50,000	\$1,100	
Landscape Survival Tools Rebate, Commercial MF	1 rebate	TBD	TBD	variable	TBD	15	0	1	0	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$50,000	\$0	
Landscape Survival Tools Rebate, SF	1 rebate	TBD	TBD	TBD	TBD	100	1	114	0	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$20,000	\$40	
Waterwise Landscape Rebate, SF	1 rebate	140.7	59.1	10	\$ 525.00	30	1	19	12	4,221	141	0.00	0.00	215.72	\$2.43	\$3.73	\$12,000	\$1,715	
Waterwise Landscape Rebate, MF	1 rebate	TBD	TBD	variable	TBD	10	0	1	0	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$2,000	\$0	
Rainwater harvesting Non-Pressurized Capacity	1 gallon	0.05	0.05	10	\$ 0.62	200,000	8,933	136,294	19,638	10,137	453	0.01	0.00	0.19	\$3.35	\$12.23	\$90,000	\$4,223	
Rainwater harvesting Pressurized Capacity	1 gallon	0.02	0.02	10	\$ 0.50	75,000	32,426	254,759	61,589	1,521	657	0.00	0.00	0.07	\$6.76	\$24.66	\$90,000	\$14,009	
Regulatory																			
Commercial Facility Irrigation Compliant Assessments	1 Compliant Assessment	TBD	TBD	TBD	TBD	5,699	5,560	98%	98%	TBD	Variable	TBD	Variable	Variable	Variable	Variable	\$120,000	\$40,000	
Commercial Vehicle Wash Efficiency Compliant Assessments	1 Compliant Assessment	681.82	681.82	10.00	\$ 90.91	216	210	98%	98%	147,273	143,182	0.14	0.13	2,488.64	\$0.04	\$0.13	\$20,000	\$6,667	
																Total	\$818,125	\$54,487	
																% of Goal		6.66%	

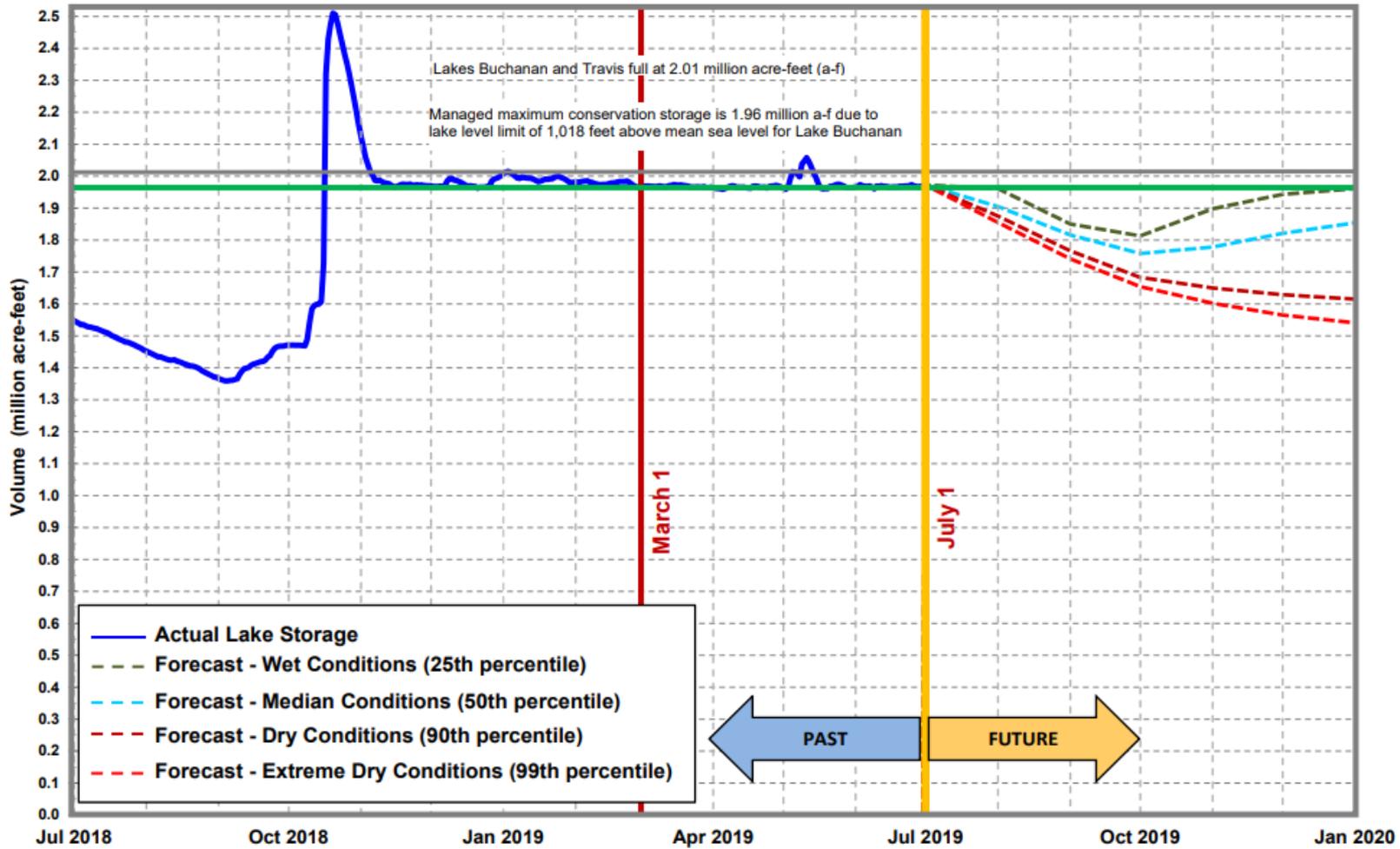
Daily Water Usage June 2019



Multi-Year Daily Water Usage



Lakes Buchanan and Travis Total Combined Storage Projections



Lakes Buchanan and Travis full at 2.01 million acre-feet (a-f)
 Managed maximum conservation storage is 1.96 million a-f due to lake level limit of 1,018 feet above mean sea level for Lake Buchanan

Note: One acre-foot equals 325,851 gallons.

Date: July 1, 2019

Highland Lakes Storage summary as of July 8, 2019
Combined lake storage: 1.964 million acre feet
Combined reservoir total: 97%

City of Austin
 Drought
 Contingency
 Plan Drought
 Response
 Stage Triggers:

Conservation Stage:
 Above 1.4 MAF

Stage I:
 1.4 MAF

Stage II:
 900,000 AF

Stage III:
 600,000 AF

Emergency Response Stage IV:
 Catastrophic event including prolonged drought



July & August Events

- July 9: Water Forward Task Force Meeting
- July 23: Onsite Alternative Water Use Charrette
- July 27: Controller 101 & Irrigation Maintenance Workshop
- August 17: Controller 101 & Irrigation Maintenance Workshop

Irrigation Efficiency

FREE WORKSHOPS

Saturday, JUL 27

10:00 a.m. - 12:00 p.m.

Saturday, AUG 17

10:00 a.m. - 12:00 p.m.



Irrigation System Maintenance and Irrigation Scheduling Strategies

Learn basic maintenance skills to maximize performance and efficiency of your irrigation system while managing your landscape and reducing watering cost.

You will also learn efficient irrigation scheduling and programming strategies.

LOCATION

Austin Water - Room 104
Waller Creek Center
625 E. 10th St.
Austin, TX 78701

INFORMATION & REGISTRATION

Registrations will be open until filled.

For more information or to register, please contact

David Turnage
david.turnage@austintexas.gov
512-974-3517

For water saving tips, information about rebates and more waterwiseaustin.org



Austin WATER
WATER CONSERVATION DIVISION

Summer Savings Events with Austin Energy



- July 11: 4:00pm – 7:00pm

Millennium Youth Complex

- July 17: 4:00pm – 7:00pm

St. Matthews Episcopal Church

- July 25: 4:00pm – 7:00pm

Shepherd of the Hills Presbyterian Church



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